least every 15 seconds with the temperature recording system specified in § 86.107–96(e).

(ix) When the ambient temperature is 95±5 °F (35±3 °C) and the fuel tank temperature is 95±3 °F the running loss test may begin.

(x) The ambient temperature shall be maintained at 95±5 °F (95±2 °F on average) during the running loss test, measured at the inlet to the cooling fan in front of the vehicle; it shall be recorded at least every 60 seconds.

(xi) Fuel temperatures shall be controlled according to the specifications of paragraph (g)(1)(xv) of this section.

(xii) The tank pressure requirements described in paragraph (g)(1)(xvi) of this section apply also to running loss testing by the point source method.

(xiii) The running loss test ends with completion of the third 2-minute idle period.

(xiv) If emissions are collected in bags, the sample bags must be analyzed within 20 minutes of their respective sample collection phases, as described in § 86.137–94(b)(15). The results of the analysis are used in § 86.143 to calculate the mass of hydrocarbons emitted.

(xv) At the end of the running loss test, turn off all the fans specified in § 86.107–96(d).

(3) With prior approval of the Administrator, manufacturers may use an alternative running loss test procedure, provided the alternative test procedure is shown to yield equivalent or superior emission results (in terms of quality control, accuracy and repeatability) for the running loss, hot soak and diurnal portions of the three diurnal-plus-hot-soak test sequence. Additionally, the Administrator may conduct certification and in-use testing using the test procedures outlined in paragraph (g)(1) of this section, paragraph (g)(2) of this section or the alternative running loss test procedure as approved for a specific vehicle.

(h) Following the completion of the running loss drive, the vehicle may be tested for hot soak emissions as specified in § 86.138–96.

[58 FR 16040, Mar. 24, 1993, as amended at 59 FR 48510, Sept. 21, 1994; 60 FR 43896, Aug. 23, 1995; 70 FR 72927, Dec. 8, 2005]

§ 86.135–00 Dynamometer procedure.

Section 86.135–00 includes text that specifies requirements that differ from §§ 86.135–90 and 86.135–94. Where a paragraph in § 86.135–90 or § 86.135–94 is identical and applicable to § 86.135–00, this may be indicated by specifying the corresponding paragraph and the statement ''[Reserved]. For guidance see § 86.135–90.'' or ''[Reserved]. For guidance see § 86.135–94.''

(a) [Reserved]. For guidance see § 86.135–94.

(b)–(c) [Reserved]. For guidance see § 86.135–90.

(d) Practice runs over the prescribed driving schedule may be performed at test point, provided an emission sample is not taken, for the purpose of finding the appropriate throttle action to maintain the proper speed-time relationship, or to permit sampling system adjustment. Both smoothing of speed variations and excessive accelerator pedal perturbations are to be avoided. When using two-roll dynamometers a truer speed-time trace may be obtained by minimizing the rocking of the vehicle in the rolls; the rocking of the vehicle changes the tire rolling radius on each roll. This rocking may be minimized by restraining the vehicle horizontally (or nearly so) by using a cable and winch.

(e)–(i) [Reserved]. For guidance see § 86.135–90.

[61 FR 54894, Oct. 22, 1996]

§ 86.135–12 Dynamometer procedure.

(a) *Overview.* The dynamometer run consists of two tests, a ''cold'' start test, after a minimum 12-hour and a maximum 36-hour soak according to the provisions of §§ 86.132 and 86.133, and a ''hot'' start test following the ''cold'' start by 10 minutes. Engine startup (with all accessories turned off), operation over the UDDS, and engine shutdown make a complete cold start test. Engine startup and operation over the first 505 seconds of the driving schedule complete the hot start test. The exhaust emissions are diluted with ambient air in the dilution tunnel as shown